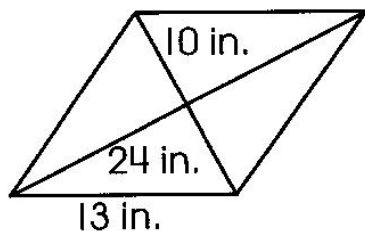


Name _____ Period _____

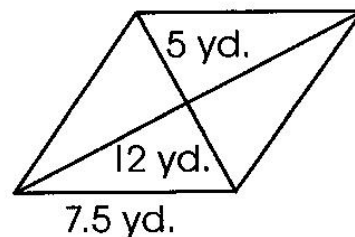
Geometry Unit 10 Worksheet #3 – Area of Rhombi & Kites

For #1 – 4, find the perimeter and the area of the rhombus.

1.



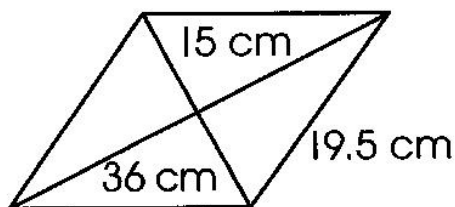
2.



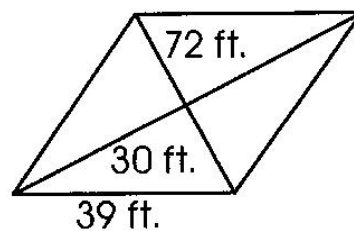
perimeter _____ area _____

perimeter _____ area _____

3.



4.

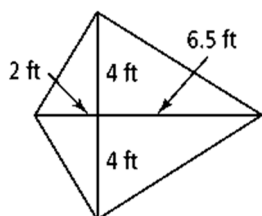


perimeter _____ area _____

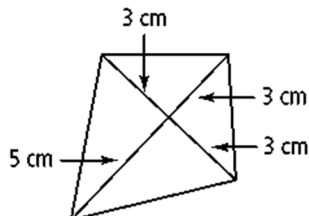
perimeter _____ area _____

For #5 – 7, find the area of the kite.

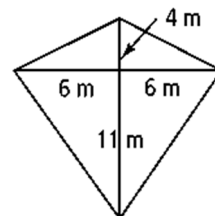
5.



6.



7.



area _____

area _____

area _____

8. Find the area of a kite with diagonals of 12 ft and 3 ft.
9. Find the area of a kite with diagonals of 16 m and 14 m.
10. Find the area of a rhombus with diagonals of 9 cm and 6 cm.
11. Find the area of a rhombus with diagonals of 4.5 yds and 5.2 yds.
12. The area of a rhombus is 330 m^2 . If one diagonal has a length of 30 m, find the other diagonal.
13. The area of a kite is 80 m^2 . If one diagonal has a length of 10 m, find the other diagonal.
14. The area of a rhombus is 88.83 in^2 . If one diagonal has a length of 12.6 in, find the other diagonal.
15. The area of a kite is 68.64 cm^2 . If one diagonal has a length of 9.6 cm, find the other diagonal.